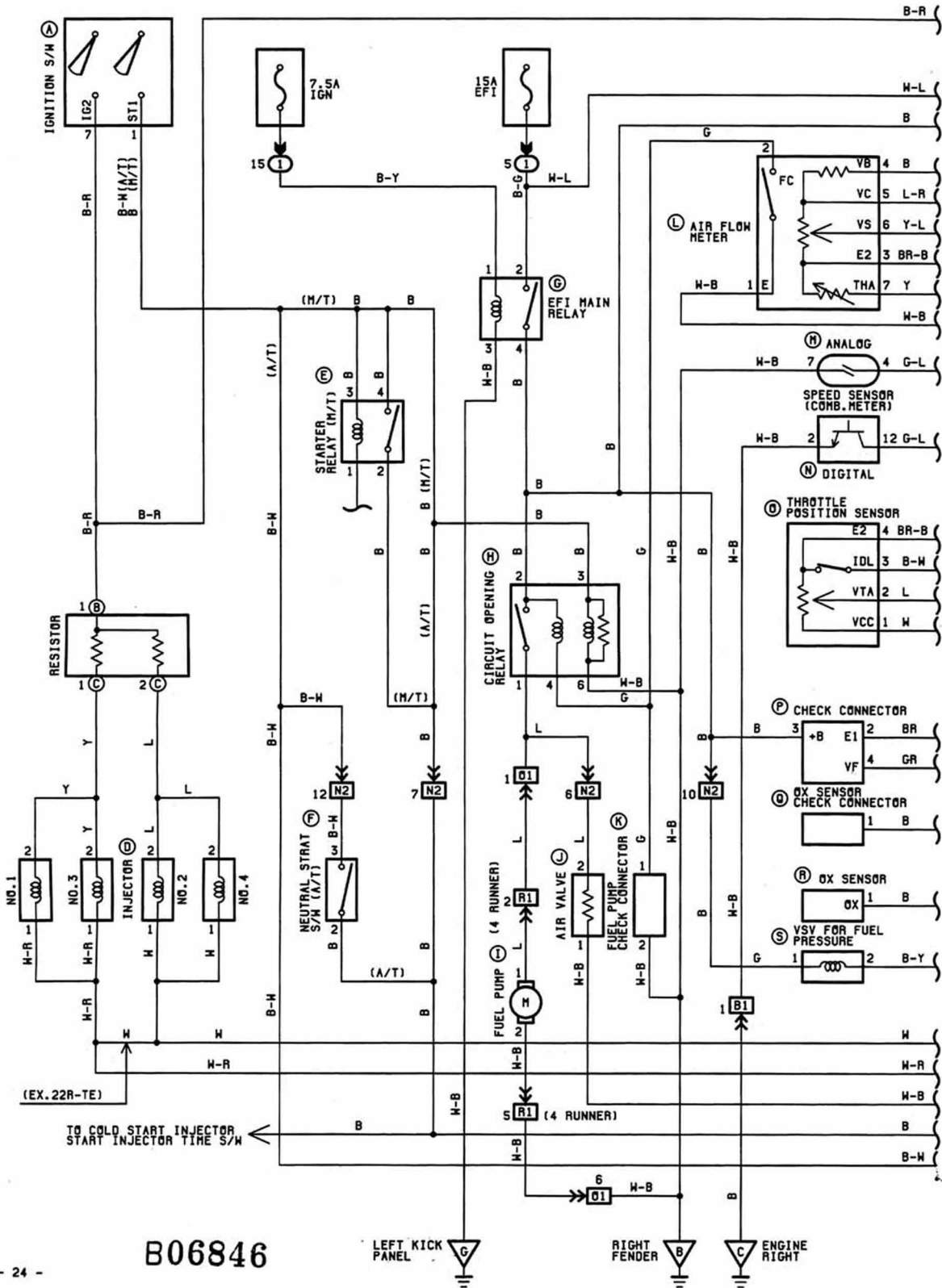


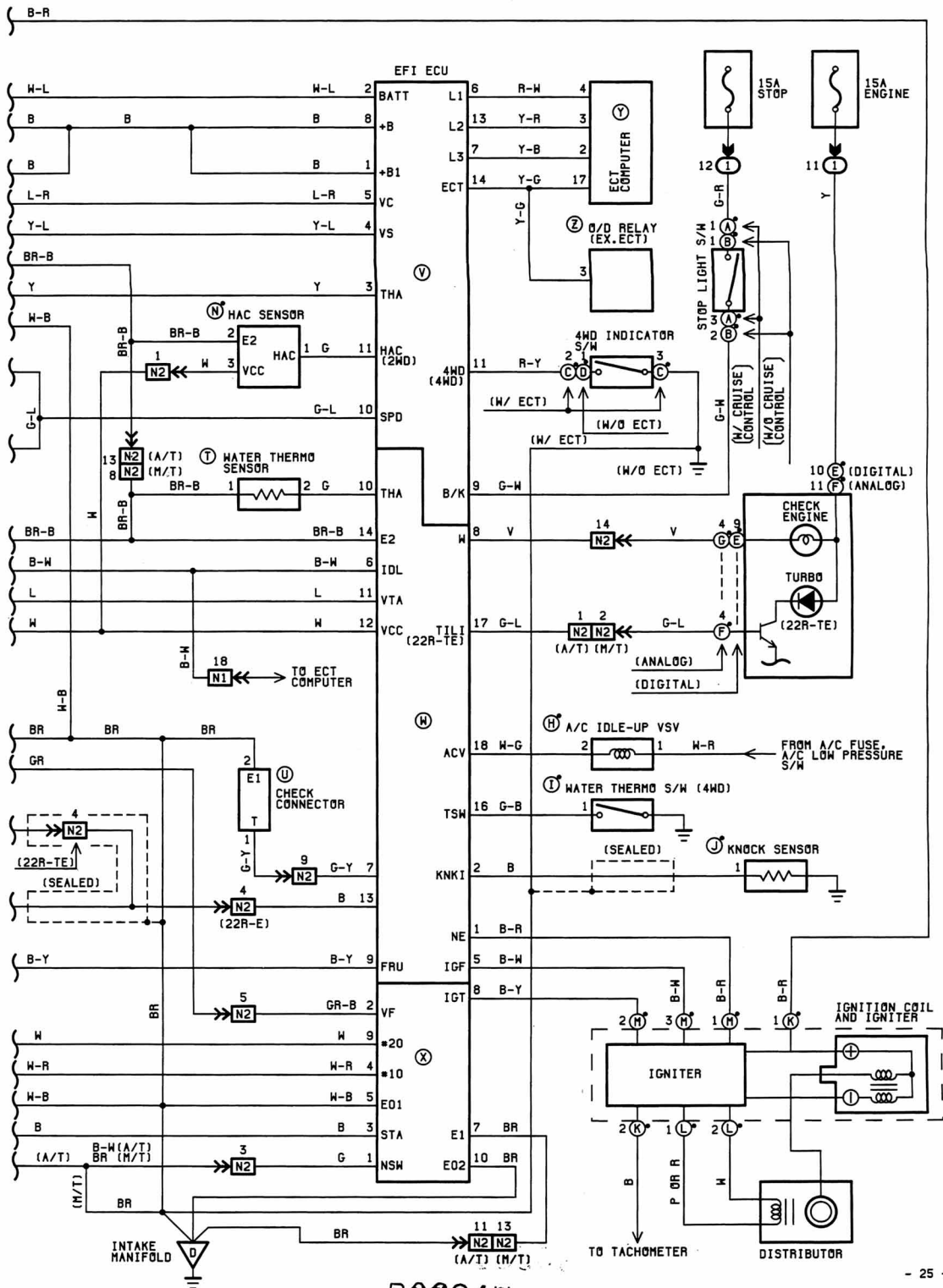
# 1986 Toyota 22RTE/RE EFI Wiring Diagram

## EFI SYSTEM



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<p><b>ⓑ RESISTOR</b> 2-Ω EACH</p> <p><b>ⓓ INJECTOR</b> 2-1: 1.5-3.0Ω</p> <p><b>ⓕ NEUTRAL START S/W (A/T)</b> 2-3: CLOSED WITH A/T SHIFT LEVER IN P OR N POSITION</p> <p><b>ⓐ EFI MAIN RELAY NO.1</b> CLOSED WITH IGNITION S/W AT IG OR ST POSITION</p> <p><b>ⓗ CIRCUIT OPENING RELAY</b> 2-1: CLOSED WITH STARTER RUNNING OR MEASURING PLATE (AIR FLOW METER) OPEN</p> <p><b>Ⓤ AIR VALVE</b> 2-1: 40-60Ω</p> <p><b>Ⓛ AIR FLOW METER</b> 2-1: OPEN WITH MEASURING PLATE CLOSED CLOSED WITH MEASURING PLATE OPEN 6-3: 20-400Ω (MEASURING PLATE FULLY CLOSED) 20-1000Ω (MEASURING PLATE FULLY OPEN) 5-3: 100-300Ω 4-3: 200-400Ω 7-3: 10-20KΩ (-20°C, -4°F) 4-7KΩ (0°C, 32°F) 2-3KΩ (20°C, 68°F) 0.9-1.3KΩ (40°C, 104°F) 0.4-0.7KΩ (60°C, 140°F)</p> <p><b>Ⓢ THROTTLE POSITION SENSOR</b> 2-4: 0.2-0.8KΩ WITH CLEARANCE BETWEEN LEVER AND STOP SCREW 0MM(0 IN) 3-4: LESS THAN 2.3KΩ WITH CLEARANCE BETWEEN LEVER AND STOP SCREW 0.35MM(0.0138 IN) ∞Ω WITH 0.59MM(0.0232 IN) 2-4: 3.3-10KΩ WITH THROTTLE VALVE FULLY OPEN 1-4: 3-7KΩ</p>	<p><b>EFI ECU (ELECTRONIC CONTROLLED UNIT)</b> VOLTAGE AT ECU WIRING CONNECTORS</p> <p>Ⓥ 8-ⓧ 7: 10-14V (IGNITION S/W ON) Ⓥ 2-ⓧ 7: 10-14V ⓗ 6-ⓗ 14: 4-10V (IGNITION S/W ON, THROTTLE VALVE OPEN) ⓗ 11-ⓗ 14: 0.1-1.0V (IGNITION S/W ON, THROTTLE VALVE FULLY CLOSED) 4-5V (IGNITION S/W ON, THROTTLE VALVE FULLY OPEN) ⓗ 12-ⓗ 14: 4-6V (IGNITION S/W ON) ⓧ 8-ⓧ 7: 0.7-1.0V (IDLING) ⓧ 3-ⓧ 7: 6-12V (IGNITION S/W ST) ⓧ 4-ⓧ 7, ⓧ 9-ⓧ 7: 9-14V (IGNITION S/W ON) ⓗ 8-ⓧ 7: 8-14V (NO TROUBLE AND ENGINE RUNNING) Ⓥ 5-ⓗ 14: 4-9V (IGNITION S/W ON) Ⓥ 4-ⓗ 14: 0.5-2.5V (IGNITION S/W ON, MEASURING PLATE FULLY CLOSED) Ⓥ 4-ⓗ 14: 5-8V (IGNITION S/W ON, MEASURING PLATE FULLY OPEN) Ⓥ 4-ⓗ 14: 2.5-7.5V (IDLING) Ⓥ 3-ⓗ 14: 2-6V (IGNITION S/W ON, INTAKE AIR TEMP. 20°C, 68°F) ⓗ 10-ⓗ 14: 0.5-2.5V (IGNITION S/W ON, COOLANT TEMP. 80°C, 176°F) Ⓥ 9-ⓗ 14: 8-14V (STOP LIGHT S/W ON)</p> <p><b>RESISTANCE AT ECU WIRING CONNECTORS</b> (DISCONNECT WIRING CONNECTOR)</p> <p>ⓗ 6-ⓗ 14: ∞Ω (THROTTLE VALVE FULLY OPEN) 0-100Ω (THROTTLE VALVE FULLY CLOSED) ⓗ 11-ⓗ 14: 3.3-10KΩ (THROTTLE VALVE FULLY OPEN) 0.2-0.8KΩ (THROTTLE VALVE FULLY CLOSED) ⓗ 12-ⓗ 14: 3-7KΩ Ⓥ 3-ⓗ 14: 2-3KΩ (INTAKE AIR TEMP. 20°C, 68°F) ⓗ 10-ⓗ 14: 0.2-0.4KΩ (COOLANT TEMP. 80°C, 176°F) Ⓥ 8-ⓗ 14: 0.2-0.4KΩ Ⓥ 5-ⓗ 14: 0.1-0.3KΩ Ⓥ 4-ⓗ 14: 0.22-0.20KΩ (MEASURING PLATE FULLY CLOSED) 0.22-1.00KΩ (MEASURING PLATE FULLY OPEN) ⓗ 1-ⓧ 7: 140-180Ω Ⓥ 14-ⓗ 14: CONTINUITY BELOW 45°C (113°F) NO CONTINUITY ABOVE 50°C (122°F)</p>
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### Wire Colors:

B = Black

BR = Brown

G = Green

GR = Gray

L = Light Blue

LG = Light Green

O = Orange

P = Pink

R = Red

V = Violet

W = White

Y = Yellow

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